

Title (en)
METHOD OF PREPARING THE SURFACE OF METAL SUBSTRATES FOR ORGANIC PHOTOSENSITIVE DEVICES

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER OBERFLÄCHE VON METALLSUBSTRATEN FÜR ORGANISCHE LICHTEMPFLINDLICHE VORRICHTUNGEN

Title (fr)
PROCÉDÉ DE PRÉPARATION DE LA SURFACE DE SUBSTRATS MÉTALLIQUES POUR DISPOSITIFS PHOTOSENSIBLES ORGANIQUES

Publication
EP 2777084 A1 20140917 (EN)

Application
EP 12798473 A 20121101

Priority
• US 201161554324 P 20111101
• US 2012063063 W 20121101

Abstract (en)
[origin: US2013105779A1] There is disclosed a method for preparing the surface of a metal substrate. The present disclosure also relates to an organic photovoltaic device comprising a metal substrate made by such method. Also disclosed herein is an inverted photosensitive device comprising a reflective electrode comprising stainless steel foil, an organic donor-acceptor heterojunction over the reflective electrode, and a transparent electrode over the donor-acceptor heterojunction.

IPC 8 full level
H01L 51/00 (2006.01)

CPC (source: CN EP US)
B82Y 10/00 (2013.01 - CN EP US); **H10K 30/20** (2023.02 - CN EP); **H10K 71/80** (2023.02 - CN EP US); **H10K 77/11** (2023.02 - CN EP US); **H01L 27/14643** (2013.01 - US); **H10K 30/20** (2023.02 - US); **H10K 30/50** (2023.02 - CN EP); **H10K 39/00** (2023.02 - US); **H10K 85/211** (2023.02 - CN EP US); **H10K 85/30** (2023.02 - CN EP US); **H10K 85/311** (2023.02 - CN EP US); **H10K 85/621** (2023.02 - CN EP US); **Y02E 10/549** (2013.01 - EP US)

Citation (examination)
YUN D J ET AL: "Fabrication of the flexible pentacene thin-film transistors on 304 and 430 stainless steel (SS) substrate", ORGANIC ELECTRONICS, ELSEVIER, AMSTERDAM, NL, vol. 10, no. 5, 1 August 2009 (2009-08-01), pages 970 - 977, XP026235912, ISSN: 1566-1199, [retrieved on 20090510], DOI: 10.1016/J.ORGEL.2009.05.005

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2013105779 A1 20130502; US 9130170 B2 20150908; AU 2012332439 A1 20140515; AU 2016201795 A1 20160414; CA 2854161 A1 20130510; CN 104247069 A 20141224; EP 2777084 A1 20140917; HK 1201636 A1 20150904; IL 232417 A0 20140630; JP 2015501226 A 20150115; KR 20140131906 A 20141114; TW 201342678 A 20131016; WO 2013067181 A1 20130510

DOCDB simple family (application)
US 20121366664 A 20121101; AU 2012332439 A 20121101; AU 2016201795 A 20160322; CA 2854161 A 20121101; CN 201280054105 A 20121101; EP 12798473 A 20121101; HK 15101997 A 20150227; IL 23241714 A 20140501; JP 2014540085 A 20121101; KR 20147013869 A 20121101; TW 101140646 A 20121101; US 2012063063 W 20121101